It’s All about Building a Better Product for Our Clients!

Model: **PZA15M**

Packaged Air-Cooled 15 Ton Chiller

**Standard Features:**
- **ETL listed** to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- **Single point power connection**
- **Pentra Microsmart, Programmable Logic Controller (PLC) with easy to use HMI touch screen display**
- **Data Recording Memory Card**
- **STAINLESS STEEL, brazed plate evaporator**
- **Scroll compressor with crankcase heater**
- **Suction accumulator**
- **Water flow switch**
- **24V control transformer**
- **Direct drive condenser fan motor**
- **Rust resistant, high CFM, aluminum condenser fan blade**
- **Condenser(s): copper tube/aluminum fin**
- **Compressor motor contactor**
- **Condenser motor and control circuit fusing**
- **1/2" insulation on all water and low pressure refrigerant lines**
- **Liquid line drier, sight glass, solenoid, TXV**
- **Galvanized sheet metal cabinet & frame**
- **Complete refrigerant charge from factory**
- **Factory Performance Test prior to shipment**

**Options:**
- **Remote Idec touchscreen control panel**
- **Industrial VPN Router**
- **5 Port Ethernet Switch**
- **BacNet Gateway**
- **Process Pump VFD Controller**
- **VFD Compressor Control** on primary compressor
- **EC Condenser Fan Motors (micro processor controlled)**
- **Non Fused Disconnect**
- **4 year extended compressor warranty**
- **115 volt (rain tight) service outlet**
- **Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and hi/lo voltage**
- **Hot gas by-pass capacity control**
- **Compressor fusing**
- **Compressor Sound Cover**
- **Flooded cond. w/receiver/head pressure control (0°F)**
- **Heated, flooded cond. w/receiver/head pressure control (-20°F)**
- **Factory installed evaporator heat tape freeze protection**
- **Fused, STAINLESS STEEL process pump**
- **Dual process pump with manual changeover**
- **Dual process pump with auto changeover**
- **Pump suction isolation valve**
- **Water pressure gauge set**
- **Water Flow Meter**
- **Copper finned condenser coil (coastal protection)**
- **BohnGuard™ coated condenser coil (coastal protection)**
- **Epoxy or Phenolic coated fins (coastal protection)**
- **Door Mounted HMI with weather proof cover**

© Property of J&M Fluidics, Inc.
It's All about Building a Better Product for Our Clients!

Model: PZA15M
Packaged Air-Cooled 15 Ton Chiller

Product Dimensional Drawing
© Property of J&M Fluidics, Inc.

---

**Dimensional & Electrical Table**

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Power</th>
<th>Compressor</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZA15MF5</td>
<td>176.5</td>
<td>45.5</td>
<td>55</td>
<td>208/230V 3 60Hz</td>
<td>15.4</td>
<td>114</td>
<td>7</td>
<td>79.5</td>
<td>90</td>
<td>1.5&quot; FPT</td>
<td>3300</td>
<td></td>
</tr>
<tr>
<td>PZA15MH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>4</td>
<td>4</td>
<td>7.1</td>
<td>58</td>
<td>3.5</td>
<td>37.2</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZA15MI5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>7</td>
<td>5.2</td>
<td>43</td>
<td>2.8</td>
<td>27.7</td>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Capacity Table (Refrigerant R407C)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>80°F</th>
<th>90°F</th>
<th>95°F</th>
<th>100°F</th>
<th>105°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>15M</td>
<td>ZS29KAE</td>
<td>20.0</td>
<td>9.3</td>
<td>11.9</td>
<td>6.9</td>
<td>8.7</td>
<td>13.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25.0</td>
<td>10.4</td>
<td>12.0</td>
<td>7.7</td>
<td>9.8</td>
<td>13.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30.0</td>
<td>11.7</td>
<td>12.1</td>
<td>8.6</td>
<td>11.0</td>
<td>13.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>35.0</td>
<td>13.1</td>
<td>12.2</td>
<td>9.5</td>
<td>12.3</td>
<td>13.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>40.0</td>
<td>14.5</td>
<td>12.4</td>
<td>11.1</td>
<td>14.7</td>
<td>14.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>16.2</td>
<td>12.4</td>
<td>11.7</td>
<td>15.3</td>
<td>14.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>18.3</td>
<td>12.4</td>
<td>11.9</td>
<td>15.6</td>
<td>14.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>55.0</td>
<td>20.1</td>
<td>13.5</td>
<td>12.1</td>
<td>16.7</td>
<td>14.0</td>
</tr>
</tbody>
</table>

© Property of J&M Fluidics, Inc.